

DERWENT-ACC-NO: 2003-096322
DERWENT-WEEK: 200309
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TITLE: Extracting Alpinia speciosa component for use as insect repellent, involves immersing Alpinia speciosa in a solution containing surfactants, at specified temperature by mixing, stirring and shaking frequently

INVENTOR: HAMANAKA H

PATENT-ASSIGNEE:

ASSIGNEE	CODE
EIKEN KK	EIKEN
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PRIORITY-DATA: 2000JP-320739 (October 20, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
<u>JP</u>	July 26, JA	
<u>2002206099</u>	2002	
<u>A</u>		

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2002206099A	October 20, 2000	2000JP-320739	

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS <u>A01 N</u>	<u>65/00</u>	20060101
CIPP <u>A23 L</u>	<u>1/212</u>	20060101
CIPS <u>A23 L</u>	<u>1/30</u>	20060101
CIPS <u>A23 L</u>	<u>2/38</u>	20060101
CIPS <u>A23 L</u>	<u>2/52</u>	20060101
CIPS <u>A23 L</u>	<u>3/3472</u>	20060101
CIPS <u>A61 K</u>	<u>36/18</u>	20060101
CIPS <u>A61 K</u>	<u>8/00</u>	20060101
CIPS <u>A61 K</u>	<u>8/96</u>	20060101
CIPS <u>A61 K</u>	<u>8/97</u>	20060101
CIPS <u>A61 P</u>	<u>1/10</u>	20060101
CIPS <u>A61 Q</u>	<u>17/00</u>	20060101
CIPS <u>A61 Q</u>	<u>17/02</u>	20060101
CIPS <u>A61 Q</u>	<u>19/10</u>	20060101

ABSTRACTED-PUB-NO: JP 2002206099 A

BASIC-ABSTRACT:

NOVELTY - Extracting *Alpinia speciosa* incorporating component involves, immersing *Alpinia speciosa* in a solution containing uniform dispersion of 0.01-10 %, by weight, of surfactants at 10-50 degrees C by mixing, stirring and shaking the solution frequently. The solution is a mixture of water, or water and water soluble solvent, which forms hydrogen bonding with water.

None given.

USE - For use as wipe water, beverage, insect repellent and bath preparation (claimed).

ADVANTAGE - The method enables to provide an efficient extraction of *Alpinia speciosa* in reliable manner. The product containing the *Alpinia speciosa* extract has excellent stability.

DESCRIPTION OF DRAWING(S) - The drawing shows the ultraviolet (UV) absorption spectrum for the *Alpinia speciosa* liquid product obtained by the micelle catalyst mechanism and without micelle catalyst mechanism.

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EQUIVALENT-ABSTRACTS:

(In weight parts) *Alpinia speciosa* stalk (20) were immersed in solution containing tetra glyceryl monolaurates (1), glycol (89) and water(10), extracted for 1 hour at 90 degrees C by rotational stirring at 150 revolutions per minute (rpm). Then the extracted solution was filtered and light orange transparent extract was collected. 50 mg of the product was dissolved in 100 ml methyl alcohol and analyzed in ultraviolet (UV) absorption spectrum. The product extracted from *Alpinia speciosa* had maximum absorbance. Hence the result revealed that by using micelle catalyst mechanism, perfumed oil compound was effectively extracted from *Alpinia speciosa*.

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: EXTRACT ALPINIA COMPONENT INSECT REPEL IMMERSE SOLUTION CONTAIN SURFACTANT SPECIFIED TEMPERATURE MIX STIR SHAKE FREQUENT

DERWENT-CLASS: B04 C03 D13 D21

CPI-CODES: B04-A08; B04-A09; B04-A10; B14-B05; C04-A08; C04-A09; C04-A10; C14-B05; D05-H13; D08-B09A2;

CHEMICAL-CODES:

Chemical Indexing M1 *01*
Fragmentation Code
M423 M720 N161 P361 Q233
Specific Compounds

RA25E0
Registry Numbers
303873

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: 2003-024398